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USA

Our ref.: P16982US00
Christian Abel

Your ref.:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application serial no.: 10/717461
Inventor: Kjell-Tore Smith
Øyvind Hammer Johansen
Erlend Skjold
Richard Gjersøe
For: Pressable plastic-bound explosive composition
Group No.:
Examiner:
Attorney docket no.: 115700

RESPONSE TO ELECTION/RESTRICTION REQUIREMENT

In response to the Office Action of 12/07/2005, applicant hereby makes the following elections, under PARTIAL TRAVERSE.

TRAVERSE

Applicant respectfully traverses the first election requirement between Species A (Hy Temp 4454) and Species B (Hy Temp 4054).

As stated in the enclosed Product Specification from manufacturer Zeon Chemicals, Louisville, KY, HyTemp 4454 and HyTemp 4054 are in fact the same composition, but in various states of pulverization. As stated therein, "HyTemp 4454 is a ground form of HyTemp 4054".

Based on the foregoing, applicant believes a restriction between the two identified Species is unnecessary. In the event the examiner maintains the requirement, applicant conditionally elects Species A.

ELECTION

The above traverse is solely related to the election of elastomer species. With regard to the plasticizer species, applicant elects Species a.

onsagers

ONSAGERS AS
Universitetsgt. 7
Pb. 6963 St. Olavs Plass
0130 Oslo
Tlf: (+47) 23 32 77 00
Fax: (+47) 23 32 77 01
post@onsagers.no

ONSAGERS VEST
Dreggsallmeningen
10-12
P.B. 120 BG Sandviken
5812 Bergen
Tlf: (+47) 55 21 05 60
Fax: (+47) 55 21 05 61
vest@onsagers.no

ONSAGERS NORD
Søndre Tollbodgt. 3a
9008 Tromsø
Tlf: (+47) 77 67 05 00
Fax: (+47) 77 67 04 99
nord@onsagers.no

ONSAGERS Ltd.
Charles House
5 Regent Street
London SW1Y 4LR
UK
Tel:
+44 (0) 20 78 39 74 07
Fax:
+44 (0) 20 78 39 64 46
mail@onsagers.com

www.onsagers.no

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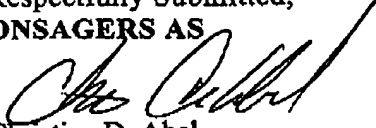
Therefore, in the event the examiner maintains the requirement with regards to the elastomer, the conditionally elected species combination is Aa.

CLAIMS READABLE ON THE ELECTED SPECIES

It is believed that all claims read on the elected species/conditionally elected species combination.

Please charge any and all necessary fees during the pendency of this application to deposit account 501898.

Respectfully Submitted,
ONSAGERS AS


Christian D. Abel

Reg no. 43,455

Cust. No. 29078

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Christian D. Abel 43, 455

HyTempTM

ACM

HyTempTM 4454

Temporary Product Specification

Date Issued: 09/23/03

Supersedes: 04/07/03

Description: HyTemp 4454 is a ground form of HyTemp 4054, which contains one or more acrylic esters with a small percentage of a carboxy/chlorine cure site.

Packaging: The standard unit is an 800 lb. (362.9 Kg) cell box containing sixteen 50 lb. (22.68 Kg) units.				
Specification	Min.	Max.	Target	Zeon Test Procedure No. ⁽¹⁾
Polymer Properties				
Heat Loss (%)	0.0	0.5	0.2	1339
Ash (%)	0.0	0.6	0.4	873 (ASTM D-1416)
Mooney Viscosity ML (1+4) @ 100°C unmassed	22	34	28	404 (ASTM D-1646)
Glass Transition Temp. (°C)	-40.6	-31.7	-36.2	1273
Gel (%)	0.0	20	2	1251
Ground Rubber Properties				
Ash (%)	2	7	3	873
Test Recipe Properties				
ODR ⁽²⁾				1229
M _L (lbfin)	4.7	7.4	6.0	1148
M _H (lbfin)	15.0	27.6	21.3	
t ₅₁ (min)	0.4	1.0	0.7	
t ₉₀ (min)	3.7	10.8	7.3	
Special Notes: Refer to the appropriate MSDS for handling instructions.				
(1) Zeon Test Recipe and Procedures are available upon request				
(2) ASTM D-2084				
(3) Shelf Life - retest critical parameters 2 years from date of manufacture for polymer properties and recheck 6 months for form				
Reason for Issue: 1) Revised Glass Transition Temperature test procedure number from 1199 to 1273 as the 1199 is not the correct procedure number.				



Zeon Chemicals L.P., 4111 Bells Lane, Louisville, KY 40211 Phone: 877-ASK ZEON, Fax: 502-775-2055

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